Library

CLASSIFICATION AND CORRELATION

OF

THE SOILS OF

MONTGOMERY COUNTY INDIANA

FEBRUARY 1984

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U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
MIDWEST NATIONAL TECHNICAL CENTER
LINCOLN, NEBRASKA

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UNITED STATES DEPARTMENT OF AGRICULTURE
Soil Conservation Service
Midwest National Technical Center
Lincoln, Nebraska 68508

Classification and Correlation of the Soils of Montgomery County, Indiana

The correlation was handled by correspondence between Steve R. Base, soil correlator, MNTC, Lincoln, Nebraska, and Leon B. Davis, assistant state soil scientist, Indianapolis, Indiana. The field correlation, soils handbook, correlation samples, laboratory data, field notes, field sheets, and SCS-SS-6 forms were available. Steve R. Base participated in the comprehensive field review October 19-22, 1981.

Headnote for Detailed Soil Survey Legend:

Map symbols consist of a combination of letters or of letters and numbers. The first capital letter is the initial one of the map unit name. The lowercase letter that follows separates map units having names that begin with the same letter, except that it does not separate sloping or eroded phases. The second capital letter indicates the class of slope. Symbols without a slope letter are for nearly level soils or miscellaneous areas. A final number 2 indicates that the soil is moderately eroded and 3 that it is severely eroded.

Field Symbol	Field Map Unit Name	Publication Symbol	Approved Map Unit Name
AfA, SnA	Alford silt loam, 0 to 2 percent slopes	AfA	Alford silt loam, 0 to 2 percent slopes
Ee, Ex	Eel Variant loam, occasionally flooded	Bc	Beckville loam, occasionally flooded
Cn, Wu	Cheektowaga loamy sand	Be	Belleville loamy sand
BoA, Bo3A, Wc3, Wc3A	Bowes Variant silt loam, 0 to 2 percent slopes	BoA	Bowes Variant silt loam, 0 to 2 percent slopes
FtC3, FsC2, FsD2, FtC, FtD, FtD3, OdC3	Boyer gravelly sandy loam, 6 to 15 percent slopes	BpC3	Boyer gravelly sandy loam, 6 to 15 percent slopes, severely eroded
BrA, De, ElA	Brenton silt loam, 0 to 2 percent slopes	BrA	Brenton silt loam, 0 to 2 percent slopes
Bg, Brg, BrG	Brenton Variant silt loam, 0 to 2 percent slopes	BxA	Brenton Variant silt loam, 0 to 2 percent slopes
CbA, Cb3 Cb3A, McA, MdA, OtA, RmA, RuA	Camden silt loam, 0 to 2 percent slopes	CbA	Camden silt loam, 0 to 2 percent slopes
CbB CbB2, RuB	Camden silt loam, 2 to 6 percent slopes	CbB	Camden silt loam, 2 to 6 percent slopes
CbC2, AfC, CbC, SnC	Camden silt loam, 6 to 12 percent slopes, eroded	CbC2	Camden silt loam, 6 to 12 percent slopes, eroded
RpF, MdE, RpG	Casco loam, 18 to 35 percent slopes	CcF	Casco loam, 18 to 35 percent slopes
Ce, Eem, Mj, SfM	Ceresco loam, occasionally flooded	Ce	Ceresco loam, occasionally flooded

Field Symbol	Field Map Unit Name	Publication Symbol	Approved Map Unit Name
Cg, Ch	Chagrin silt loam, rarely flooded	Cg	Chagrin silt loam, rarely flooded
Sk, Se	Cohoctah loam, frequently flooded	Ck	Cohoctah loam, frequently flooded
CwA	Crosby silt loam, 0 to 2 percent slopes	CwA	Crosby silt loam, 0 to 2 percent slopes
CyB2, CyB, MrB, MrB2	Crosby-Miami silt loams, 2 to 6 percent slopes, eroded	CyB2	Crosby-Miami silt loams, 2 to 6 percent slopes, eroded
Cz, Cy	Cyclone silty clay loam	Cz	Cyclone silty clay loam
Du, Co, Sb	Drummer silty clay loam	Du	Drummer silty clay loam
FdA	Fincastle silt loam, 0 to 2 percent slopes	FdA	Fincastle silt loam, 0 to 2 percent slopes
FdB, FdB2	Fincastle silt loam, 2 to 4 percent slopes	FdB	Fincastle silt loam, 2 to 4 percent slopes
FgB2, FfB, FgB, MgB, MoB	Fincastle-Miami silt loams, 2 to 6 percent slopes, eroded	FgB2	Fincastle-Maimi silt loams, 2 to 6 percent slopes, eroded
HeF	Hennepin complex, 18 to 50 percent slopes	HeF	Hennepin silt loam ~~complex~~, 18 to 50 percent slopes
HxF	Hennepin-Rock outcrop complex, 35 to 90 percent slopes	HxF	Hennepin-Rock outcrop complex, 35 to 90 percent slopes
JaB, JaB2, WjB, WjB2,	Jasper silt loam, till substratum, 2 to 6 percent slopes	JaB	Jasper silt loam, till substratum, 2 to 6 percent slopes
Lb, Lc, Ld	Landes Variant, loamy fine sand, rarely flooded	Lb	Landes Variant fine sandy loam, rarely flooded
Lo, Ef	Lobdell silt loam, rarely flooded	Lo	Lobdell silt loam, rarely flooded
Mb, Rr	Mahalasville silty clay loam	Mb	Mahalasville silty clay loam

Field Symbol	Field Map Unit Name	Publication Symbol	Approved Map Unit Name
Mbg, MbG	Mahalasville silty clay loam, gravelly substratum	Mc	Mahalasville silty clay loam, gravelly substratum
OtD2, MdD2, MeD2 MeD3 MfD, MfD2, OfD, OfD2, OtD, OtD3, RmD, RmD2, WxD	Martinsville-Ockley loams, till substratum, 12 to 18 percent slopes, eroded	MdD2	Martinsville-Ockley loams, till substratums, 12 to 18 percent slopes, eroded
OtB, McB, MdB, MdB2, MeB, MeB2, MfB, MfB2, OtB2, RmB, RmB2	Martinsville-Ockley silt loams, till substratum, 2 to 6 percent slopes	MeB	Martinsville-Ockley silt loams, till substratums, 2 to 6 percent slopes
OtC, MdC, MdC2, MeC, MeC2, MfC, MfC2, OtC2, OtC3, RmC, RmC2	Martinsville-Ockley silt loams, till substratum, 6 to 12 percent slopes	MeC	Martinsville-Ockley silt loams, till substratums, 6 to 12 percent slopes
MoC2, MoC	Miami silt loam, 6 to 12 percent slopes, eroded	MoC2	Miami silt loam, 6 to 12 percent slopes, eroded
MoE2, MoD, MoD2, MoE, Rud	Miami silt loam, 15 to 25 percent slopes, eroded	MoE2	Miami silt loam, 15 to 25 percent slopes, eroded
MpC3	Miami clay loam, 6 to 12 percent slopes, severely eroded	MpC3	Miami clay loam, 6 to 12 percent slopes, severely eroded

Field Symbol	Field Map Unit Name	Publication Symbol	Approved Map Unit Name
MpD3	Miami clay loam, 12 to 18 percent slopes, severely eroded	MpD3	Miami clay loam, 12 to 18 percent slopes, severely eroded
MgC2, MgC, RxC3	Miami-Xenia silt loams, 6 to 12 percent slopes, eroded	MrC2	Miami-Xenia silt loams, 4 to 10 percent slopes, eroded
Ms	Milford silty clay loam, pothole	Ms	Milford silty clay loam
Ha, Pn, Wd	Hartsburg silt loam, pothole	Mt	Milford Variant mucky silty clay
MtA	Millbrook silt loam, 0 to 2 percent slopes	MuA	Millbrook silt loam, 0 to 2 percent slopes
MuA, Mtg, MxA	Millbrook Variant silt loam, 0 to 2 percent slopes	MvA	Millbrook Variant silt loam, 0 to 2 percent slopes
Mw, Hp	Muskego muck, drained	Mw	Muskego muck, drained
My, Ho	Muskego muck, undrained	My	Muskego muck, undrained
ObA, FsA, 50cA	Ockley loam, 0 to 2 percent slopes	ObA	Ockley loam, 0 to 2 percent slopes
OcA	Ockley silt loam, 0 to 2 percent slopes	OcA	Ockley silt loam, 0 to 2 percent slopes
OcB, ObB, OcB2, FsB2	Ockley silt loam, 2 to 6 percent slopes	OcB	Ockley silt loam, 2 to 6 percent slopes
OcC2, OcC, OcD, OcD2, RtC	Ockley silt loam, 6 to 12 percent slopes, eroded	OcC2	Ockley silt loam, 6 to 12 percent slopes, eroded
OfB2, OfB, OfB3	Ockley silt loam, kame, 2 to 6 percent slopes, eroded	OfB2	Ockley silt loam, kame, 2 to 6 percent slopes, eroded
OfC2, OfC, OfC3, WxC, WxC2	Ockley silt loam, kame, 6 to 12 percent slopes, eroded	OfC2	Ockley silt loam, kame, 6 to 12 percent slopes, eroded

Field Symbol	Field Map Unit Name	Publication Symbol	Approved Map Unit Name
OrB FxA, FxB, HhA, OrA	Ockley loam, bedrock substratum, 1 to 4 percent slopes	OhB	Ockley loam, bedrock substratum, 1 to 4 percent slopes
OgB, CrB, CrB2,MyB, MyB2, OgB2	Octagon loam, 2 to 6 percent slopes	OnB	Octagon loam, 2 to 6 percent slopes
OgC, JaC, JaC2, OgC2, OgD, OgD2, PfC, PfC2, WjC	Octagon loam, 6 to 12 percent slopes	OnC	Octagon loam, 6 to 12 percent slopes
OsB, JxA, JxB, OsA, OsC, OxA	Ormas loamy sand	OsB	Ormas loamy sand, 1 to 4 percent slopes
Pd, Ad, Eb, Ed, Pe	Palms muck, drained	Pd	Palms muck, drained
PfB, CtB, CtB2, PfB2, WnB WnB2	Parr silt loam, 2 to 6 percent slopes	PfB	Parr silt loam, 2 to 6 percent slopes
Pg	Hartsburg silty clay loam	Ph	Pella silty clay loam
G.P., G. Pit	Gravel pit	Po	Pits, gravel
Sh. Pit, Shale pit, Ls. quarry, Limestone quarry	Shale pit, limestone quarry	Pq	Pits, quarries

Field Symbol	Field Map Unit Name	Publication Symbol	Approved Map Unit Name
PrA, DbA, FoA, HbA, JaA, WjA	Proctor silt loam, moderately wet, 0 to 2 percent slopes	PrA	Proctor silt loam, moderately wet, 0 to 2 percent slopes
PrB2, BeB2, DbB, FoB2, HbB, HbB2, PrB, SgB	Proctor silt loam, 2 to 6 percent slopes	PrB	Proctor silt loam, 2 to 6 percent slopes
Ra, Rb	Ragsdale silt loam	Ra	Ragsdale silty clay loam
ReA, FgA, MyA, OmA	Raub silt loam, 0 to 2 percent slopes	ReA	Raub silt loam, 0 to 2 percent slopes
R1A, IvA, KeA, MzA	Reesville silt loam, 0 to 2 percent slopes	R1A	Reesville silt loam, 0 to 2 percent slopes
RnA	Reesville-Fincastle silt loams, 0 to 2 percent slopes	RnA	Reesville-Fincastle silt loams, 0 to 2 percent slopes
RgG, RgF, RqG, RzF	Rodman-Rock outcrop complex, 35 to 70 percent slopes	RoG	Rodman-Rock outcrop complex, 35 to 70 percent slopes
RtA	Rush silt loam, 0 to 1 percent slopes	RtA	Rush silt loam, 0 to 1 percent slopes
RtB, RtB2	Rush silt loam, 2 to 6 percent slopes	RtB	Rush silt loam, 2 to 6 percent slopes
Rz, Rt3, Rt3A	Rush Variant silt loam, 0 to 2 percent slopes	RwA	Rush Variant silt loam, 0 to 2 percent slopes
RuC, RuC2	Russell silt loam, 6 to 12 percent slopes	RxC	Russell silt loam, 6 to 12 percent slopes
Sc	Saranac silty clay loam, gravelly substratum, frequently flooded	Sa	Saranac silty clay loam, gravelly substratum, frequently flooded

Field Symbol	Field Map Unit Name	Publication Symbol	Approved Map Unit Name
Sx, Sg	Saranac silty clay loam, gravelly substratum, occasionally flooded	Sb	Saranac silty clay loam, gravelly substratum, occasionally flooded
SdB, SdA, Whb, WhB	Shadeland silt loam, 1 to 4 percent slopes	SdB	Shadeland silt loam, 1 to 4 percent slopes
Sf, SfB, Sy	Shoals silt loam, occasionally flooded	Sf	Shoals silt loam, occasionally flooded
S1A, S1t	Starks silt loam, 0 to 2 percent slopes	S1A	Starks silt loam, 0 to 2 percent slopes
SrA	Starks-Crosby silt loams, 0 to 2 percent slopes	SrA	Starks-Crosby silt loams, 0 to 2 percent slopes
SnB, AfB, AfB2, SnB2	St. Charles silt loam, 2 to 6 percent slopes	StB	St. Charles silt loam, 2 to 6 percent slopes
Ge, Gem, Sz	Stonelick silt loam, occasionally flooded	Su	Stonelick silt loam, occasionally flooded
Sp, Lx, LxB, SpG	Stonelick Variant fine sandy loam, frequently flooded	Sv	Stonelick Variant fine sandy loam, frequently flooded
TgA, CrA, CtA, WmA	Toronto silt loam, 0 to 2 percent slopes	TgA	Toronto silt loam, 0 to 2 percent slopes
Ty, Ts, TsA	Treaty silty clay loam	Ty	Treaty silty clay loam
C.F.	Cut and fill	Ud	Udorthents, loamy
Wa, Ae, Ec, Pc, Wam	Wallkill silt loam	Wa	Wallkill silt loam
Ws	Washtenaw silt loam	Wb	Washtenaw silt loam, frequently flooded
WcA, WeA, WpA	Waupecan silt loam, 0 to 2 percent slopes	WcA	Waupecan silt loam, 0 to 2 percent slopes
Sm, ShA, S1g	Waynetown silt loam, 0 to 2 percent slopes	WdA	Waynetown silt loam, 0 to 2 percent slopes

Field Symbol	Field Map Unit Name	Publication Symbol	Approved Map Unit Name
WeB, BoB, LgB, WcB, WpB, WxB, WxB2	Wea silt loam, 2 to 6 percent slopes	WeB	Wea silt loam, 2 to 6 percent slopes
WfG, BkC, BkF, BxF, HhC, HhD, RoF	Weikert-Rock outcrop complex, 35 to 80 percent slopes	WfG	Weikert-Rock outcrop complex, 35 to 80 percent slopes
WkA	Whitaker silt loam, till substratum, 0 to 2 percent slopes	WkA	Whitaker silt loam, till substratum, 0 to 2 percent slopes
XgB2, BnB, BnB2, BnB3, XeB, XeB2 XgB	Xenia-Birkbeck silt loams, 2 to 6 percent slopes, eroded	XgB2	Xenia-Birkbeck silt loams, 2 to 6 percent slopes, eroded

Series Established by This Correlation:

Beckville (Montgomery County, Indiana)
Waynetown (Montgomery County, Indiana)

Series Dropped or Made Inactive:

None

Certification Statement:
The state soil scientist certifies that:
1. Mapping is complete.

2. The general soil map of Montgomery County has been joined with those of Boone, Clinton, Fountain, Hendricks, Parke, and Putnam soil surveys, which are the adjoining counties with completed soil surveys. The soil survey of Tippecanoe County was not joined with this county. Tippecanoe County will be remapped beginning January 1983. All discrepancies have been noted and are on file at the Indiana State Office and in the MNTC. Also, detailed soil maps for Montgomery County have been joined with these counties. Exceptions caused by differences in correlation or in composition of units are on file in the Soil Conservation Service, State Office in Indiana, and in the MNTC.

3. Interpretations have been coordinated.

4. Typical pedons are in mapped areas of the named unit, and the legal descriptions of the typical pedons are correct.

Verification of Exact Cooperator Names:
For the front cover:

> United States Department of Agriculture, Soil Conservation Service, in cooperation with Purdue University Agricultural Experiment Station and Indiana Department of Natural Resources Soil and Water Conservation Committee.

The cooperators to be listed on the inside of the front cover are:
The survey was made cooperatively by the Soil Conservation Service, Purdue University Agricultural Experiment Station, and the Indiana Department of Natural Resources, Soil and Water Conservation Committee. It is part of the technical assistance furnished to the Montgomery County Soil and Water Conservation District. Financial assistance was made available by the Montgomery County Commissioners and approved by the County Council.

Disposition of Field Sheets:
The original field sheets for Montgomery County are retained by the state and will be used in the map compilation and finishing procedures. Copies have been made for fire protection purposes. The state office at Indianapolis will prepare the atlas sheets for publication.

Prior Soil Survey Publications:

Montgomery County, 1912.

Instructions for Soil Map Finishing:
The conventional and special symbols used in this survey are listed on the attached SCS-SOILS-37A. These symbols will be shown on the published maps. The maps will be finished using the "Guide for Soil Map Finishing," July 1976.

SCS-SOILS-37A
3-75

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

Soil Survey Area: Montgomery County
State: Indiana

Date: 12/2/82

CULTURAL FEATURES

BOUNDARIES

National, state, or province

County or parish

Minor civil division

Reservation (national forest or park, state forest or park, and large airport)

Field sheet matchline & neatline

AD HOC BOUNDARY (label)

Small airport, airfield, park, oilfield, cemetery, or flood pool

STATE COORDINATE TICK
1 890 000 FEET

LAND DIVISION CORNERS (sections and land grants)

ROADS

Divided (median shown if scale permits)

County, farm or ranch

Trail

ROAD EMBLEMS & DESIGNATIONS

Interstate 66

Federal 287

State 52

RAILROAD

DAMS

Large (to scale)

Medium or small

PITS

Gravel pit

Mine or quarry

CULTURAL FEATURES (cont.)

MISCELLANEOUS CULTURAL FEATURES

Farmstead, house (omit in urban areas)

Church

School

WATER FEATURES

DRAINAGE

Perennial, double line

Perennial, single line

Intermittent

Drainage end

Canals or ditches

Drainage and/or irrigation

LAKES, PONDS AND RESERVOIRS

Perennial water w

Intermittent intermittent int

MISCELLANEOUS WATER FEATURES

Marsh or swamp

SPECIAL SYMBOLS FOR SOIL SURVEY

SOIL DELINEATIONS AND SOIL SYMBOLS

ESCARPMENTS CeA FoB2

Other than bedrock (points down slope)

SHORT STEEP SLOPE

MISCELLANEOUS

Gravelly spot

Rock outcrop (includes sandstone and shale)

Sandy spot

Severely eroded spot

RECOMMENDED AD HOC SOIL SYMBOLS

Overwash areas

Muck surface layer

PRIME FARMLAND MAP UNITS

The following map units meet the soil requirements for prime farmland:

Pub. Symbol	Approved Map Unit Name
AfA	Alford silt loam, 0 to 2 percent slopes
Bc	Beckville loam, occasionally flooded
BoA	Bowes Variant silt loam, 0 to 2 percent slopes
BrA	Brenton silt loam, 0 to 2 percent slopes
BxA	Brenton Variant silt loam, 0 to 2 percent slopes
CbA	Camden silt loam, 0 to 2 percent slopes
CbB	Camden silt loam, 2 to 6 percent slopes
Ce	Ceresco loam, occasionally flooded
Cg	Chagrin silt loam, rarely flooded
Ck	Cohoctah loam, frequently flooded (where drained and not frequently flooded during growing season)
CwA	Crosby silt loam, 0 to 2 percent slopes (where drained)
CyB2	Crosby-Miami silt loams, 2 to 6 percent slopes, eroded (where drained)
Cz	Cyclone silty clay loam (where drained)
Du	Drummer silty clay loam (where drained)
FdA	Fincastle silt loam, 0 to 2 percent slopes (where drained)
FdB	Fincastle silt loam, 2 to 4 percent slopes (where drained)
FgB2	Fincastle-Miami silt loams, 2 to 6 percent slopes, eroded (where drained)
JaB	Jasper silt loam, till substratum, 2 to 6 percent slopes
Lo	Lobdell silt loam, rarely flooded
Mb	Mahalasville silty clay loam (where drained)
Mc	Mahalasville silty clay loam, gravelly substratum (where drained)
MeB	Martinsville-Ockley silt loams, till substrata, 2 to 6 percent slopes

Pub. Symbol	Approved Map Unit Name
MuA	Millbrook silt loam, 0 to 2 percent slopes (where drained)
MvA	Millbrook Variant silt loam, 0 to 2 percent slopes (where drained)
ObA	Ockley loam, 0 to 2 percent slopes
OcA	Ockley silt loam, 0 to 2 percent slopes
OcB	Ockley silt loam, 2 to 6 percent slopes
OfB2	Ockley silt loam, kame, 2 to 6 percent slopes, eroded
OhB	Ockley loam, bedrock substratum, 1 to 4 percent slopes
OnB	Octagon loam, 2 to 6 percent slopes
PfB	Parr silt loam, 2 to 6 percent slopes
Ph	Pella silty clay loam (where drained)
PrA	Proctor silt loam, moderately wet, 0 to 2 percent slopes
PrB	Proctor silt loam, 2 to 6 percent slopes
Ra	Ragsdale silty clay loam (where drained)
ReA	Raub silt loam, 0 to 2 percent slopes
RlA	Reesville silt loam, 0 to 2 percent slopes (where drained)
RnA	Reesville-Fincastle silt loams, 0 to 2 percent slopes (where drained)
RtA	Rush silt loam, 0 to 1 percent slopes
RtB	Rush silt loam, 2 to 6 percent slopes
RwA	Rush Variant silt loam, 0 to 2 percent slopes
Sa	Saranac silty clay loam, gravelly substratum frequently flooded (where drained and not frequently flooded during the growing season)
Sb	Saranac silty clay loam, gravelly substratum, occasionally flooded (where drained)
SdB	Shadeland silt loam, 1 to 4 percent slopes (where drained)
Sf	Shoals silt loam, occasionally flooded (where drained)
SlA	Starks silt loam, 0 to 2 percent slopes (where drained)
SrA	Starks-Crosby silt loams, 0 to 2 percent slopes (where drained)

Pub. Symbol	Approved Map Unit Name
StB	St. Charles silt loam, 2 to 6 percent slopes
Su	Stonelick silt loam, occasionally flooded
TgA	Toronto silt loam, 0 to 2 percent slopes (where drained)
Ty	Treaty silty clay loam (where drained)
Wb	Washtenaw silt loam, frequently flooded (where drained and not frequently flooded during the growing season)
WcA	Waupecan silt loam, 0 to 2 percent slopes
WdA	Waynetown silt loam, 0 to 2 percent slopes (where drained)
WeB	Wea silt loam, 2 to 6 percent slopes
WkA	Whitaker silt loam, till substratum, 0 to 2 percent slopes (where drained)
XgB2	Xenia-Birkbeck silt loams, 2 to 6 percent slopes, eroded

Approved: February 21, 1984

Rodney F. Harner

RODNEY F. HARNER
Head, Soils Staff
Midwest NTC

CONVERSION LEGEND RELATING FIELD MAP SYMBOL TO PUBLICATION SYMBOL

Field Symbol	Pub. Symbol	Field Symbol	Pub. Symbol	Field Symbol	Pub. Symbol
Ad	Pd	CtA	TgA	FtC3	BpC3
Ae	Wa	CtB	PfB	FtD	BpC3
AfA	AfA	CtB2	PfB	FtD3	BpC3
AfB	StB	CwA	CwA	FxA	OhB
AfB2	StB	Cy	Cz	FxB	OhB
AfC	CbC2	CyB	CyB2	Ge	Su
BeB2	Prb	CyB2	CyB2	Gem	Su
Bg	BxA	Cz	Cz	Ha	Mt
BkC	WfG	DbA	PrA	HbA	PrA
BkF	WfG	DbB	PrB	HbB	PrB
BnB	XgB2	De	BrA	HbB2	PrB
BnB2	XgB2	Du	Du	HeF	HeF
BnB3	XgB2	Eb	Pd	HhA	OhB
BoA	BoA	Ec	Wa	HhC	WfG
Bo3A	BoA	Ed	Pd	HhD	WfG
BoB	WeB	Ee	Bc	Ho	My
BrA	BrA	Eem	Ce	Hp	Mw
BrG	BxA	Ef	Lo	HxF	HxF
Brg	BxA	ElA	BrA	IvA	RlA
BxF	WfG	Ex	Bc	JaA	PrA
CbA	CbA	FdA	FdA	JaB	JaB
Cb3	CbA	FdB	FdB	JaB2	JaB
Cb3A	CbA	FdB2	FdB	JaC	OnC
CbB	CbB	FfB	FgB2	JaC2	OnC
CbB2	CbB	FgA	ReA	JxA	OsB
CbC	CbC2	FgB	FgB2	JxB	OsB
CbC2	CbC2	FgB2	FgB2	KeA	RlA
Ce	Ce	FoA	PrA	Lb	Lb
C.F.	Ud	FoB2	PrB	Lc	Lb
Cg	Cg	FsA	ObA	Ld	Lb
Ch	Cg	FsB2	OcB	LgB	WeB
Cn	Be			Lo	Lo
Co	Du	FsC2	BpC3	Lx	Sv
CrA	TgA	FsD2	BpC3	LxB	Sv
CrB	OnB	FtC	BpC3	Mb	Mb
CrB2	OnB				

Field Symbol	Pub. Symbol	Field Symbol	Pub. Symbol	Field Symbol	Pub. Symbol
Mbg	Mc	MtA	MuA	OsC	OsB
MbG	Mc	Mtg	MvA	OtA	CbA
McA	CbA	MuA	MvA	OtB	MeB
McB	MeB	Mw	Mw	OtB2	MeB
MdA	CbA	MxA	MvA	OtC	MeC
MdB	MeB	My	My	OtC2	MeC
MdB2	MeB	MyA	ReA	OtC3	MeC
MdC	MeC	MyB	OnB	OtD	MdD2
MdC2	MeC	MyB2	OnB	OtD2	MdD2
MdD2	MdD2	MzA	R1A	OtD3	MdD2
MdE	CcF	ObA	ObA	OxA	OsB
MeB	MeB	ObB	OcB	Pc	Wa
MeB2	MeB	OcA	OcA	Pd	Pd
MeC	MeC	OcB	OcB	Pe	Pd
MeC2	MeC	OcB2	OcB	PfB	PfB
				PfB2	PfB
MeD2	MdD2	OcC	OcC2	PfC	OnC
MeD3	MdD2	OcC2	OcC2	PfC2	OnC
MfB	MeB	OcD	OcC2	Pg	Ph
MfB2	MeB	OcD2	OcC2	Pn	Mt
MfC	MeC	OdC3	BpC3	PrA	PrA
MfC2	MeC	OfB	OfB2	PrB	PrB
MfD	MdD2	OfB2	OfB2	PrB2	PrB
MfD2	MdD2	OfB3	OfB2	Ra	Ra
MgB	FgB2	OfC	OfC2	Rb	Ra
MgC	MrC2	OfC2	OfC2	ReA	ReA
MgC2	MrC2	OfC3	OfC2	RgF	RoG
Mj	Ce	OfD	MdD2	RgG	RoG
MoB	FgB2	OfD2	MdD2	RqG	RoG
MoC	MoC2	OgB	OnB	R1A	R1A
MoC2	MoC2	OgB2	OnB	RmA	CbA
MoD	MoE2	OgC	OnC	RmB	MeB
MoD2	MoE2	OgC2	OnC	RmB2	MeB
MoE	MoE2	OgD	OnC	RmC	MeC
MoE2	MoE2	OgD2	OnC	RmC2	MeC
MpC3	MpC3	OmA	ReA	RmD	MdD2
MpD3	MpD3	OrA	OhB	RmD2	MdD2
MrB	CyB2	OrB	OhB	RnA	RnA
MrB2	CyB2	OsA	OsB	RoF	WfG
Ms	Ms	OsB	OsB	RpF	CcF

Field Symbol	Pub. Symbol	Field Symbol	Pub. Symbol	Field Symbol	Pub. Symbol
RpG	CcF	Slg	WdA	WhB	SdB
Rr	Mb	Slt	SlA	WjA	PrA
RtA	RtA	Sm	WdA	WjB	JaB
RtB	RtB	SnA	AfA	WjB2	JaB
RtB2	RtB	SnB	StB	WjC	OnC
RtC	OcC2	SnB2	StB	WkA	WkA
Rt3	RwA	SnC	CbC2	WmA	TgA
Rt3A	RwA	Sp	Sv	WnB	PfB
RuA	CbA			WnB2	PfB
RuB	CbB	SpG	Sv	WpA	WcA
RuC	RxC	SrA	SrA	WpB	WeB
RuC2	RxC	Sx	Sb	Ws	Wb
RuD	MoE2	Sy	Sf	Wu	Be
RxC3	MrC2	Sz	Su	WxB	WeB
Rz	RwA	TgA	TgA	WxB2	WeB
RzF	RoG	Ts	Ty	WxC	OfC2
Sb	Du	TsA	Ty	WxC2	OfC2
Sc	Sa	Ty	Ty	WxD	MdD2
SdA	SdB	Wa	Wa	XeB	XgB2
SdB	SdB	Wam	Wa	XeB2	XgB2
Se	Ck	WcA	WcA	XgB	XgB2
Sf	Sf	Wc3	BoA	XgB2	XgB2
SfB	Sf	Wc3A	BoA	50cA	ObA
SfM	Ce	WcB	WeB		
SgB	PrB	Wd	Mt	G.P.	Po
Sg	Sb	WeA	WcA	G. Pit	Po
ShA	WdA	WeB	WeB	Sh. Pit	Pq
Sk	Ck	WfG	WfG	Shale pit	Pq
SlA	SlA	Whb	SdB	Ls. quarry	Pq
				Limestone quarry	Pq

CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

Laboratory Data from Purdue University with SCS-SOILS-8 forms

Sampled as	Pedon Sample No.	Publication Symbol	Approved Series Name or Classification
Alford	S80IN107-22-(1-8)	AfA	Alford taxadjunct
Cheektowaga	S80IN107-30-(1-5)	Be	Belleville
Birkbeck	S80IN107-25-(1-8)	XgB2	Birkbeck
Bowes	S80IN107-20-(1-9)	BoA	Bowes Variant
Fox	S78IN107-5-(1-5)	BpC3	Boyer
Brenton	S80IN107-8-(1-9)	BrA	Brenton
Brenton Variant	S80IN107-7-(1-8)	BxA	Brenton Variant
Camden	S79IN107-6-(1-9)	CbB	Camden taxadjunct
Sloan	S78IN107-13-1-7)	Ck	Cohoctah
Cyclone	S78IN107-3-(1-8)	Cz	Cyclone taxadjunct
Ragsdale	S80IN107-26-(1-7)	Ra	Ragsdale taxadjunct
Fincastle	S77IN107-1-(1-7)	FdA	Fincastle
Jasper	S79IN107-4-(1-10)	JaB	Jasper
Landes	S78IN107-7-(1-6)	Lb	Landes Variant
Mahalasville	S80IN107-5-(1-7)	Mb	Mahalasville
Treaty	S79IN107-5-(1-8)	Ty	Treaty
Westland Variant	S79IN107-3-(1-8)	Mc	Mahalasville, gravelly substratum
Martinsville, till substratum	S80IN107-16-(1-7)	MeB	Martinsville, till substratum
Milford	S80IN107-12-(1-7)	Ms	Milford
Hartsburg	S80IN107-24-(1-5)	Mt	Milford Variant
Millbrook	S80IN107-2-(1-8)	MuA	Millbrook taxadjunct
Millbrook Variant	S80IN107-3-(1-8)	MvA	Millbrook Variant

Sampled as	Pedon Sample No.	Publication Symbol	Approved Series Name or Classification
Ockley	S79IN107-7-(1-8)	OcA	Ockley
Octagon	S80IN107-4-(1-5)	OnB	Octagon
Ormas	S80IN107-11-(1-6)	OsB	Ormas
Parr	S80IN107-1-(1-6)	PfB	Parr
Proctor	S80IN107-10-(1-9)	PrA	Proctor
Raub	S78IN107-11-(1-8)	ReA	Raub
Reesville	S80IN107-15-(1-7)	RlA	Reesville
Rush Variant	S80IN107-19-(1-9)	RwA	Rush Variant
Russell	S80IN107-13-(1-9)	RxC	Russell
Milford	S77IN107-2-(1-6)	Sa	Saranac
Shadeland	S80IN107-28-(1-5)	SdB	Shadeland
Starks	S78IN107-14-(1-9)	SlA	Starks
Genesee	S79IN107-2-(1-7)	Su	Stonelick
Stonelick	S77IN107-3-(1-4)	Sv	Stonelick Variant
Toronto	S80IN107-17-(1-8)	TgA	Toronto taxadjunct
Wallkill	S80IN107-29-(1-5)	Wa	Wallkill taxadjunct
Waupecan	S80IN107-9-(1-11)	WcA	Waupecan
Washtenaw	S80IN107-23-(1-7)	Wb	Washtenaw taxadjunct
Sleeth Variant	S79IN107-1-(1-8)	WdA	Waynetown
Weikert Variant	S80IN107-18-(1-3)	WfG	Weikert taxadjunct
Xenia	S80IN107-21-(1-7)	XgB2	Xenia
Eel Variant	S78IN107-4-(1-5)	Bc	Beckville taxadjunct
Patton	S78IN107-1-(1-7)	Du	Sable
Hennepin	S78IN107-6-(1-4)	HeF	Hennepin taxadjunct
Ragsdale	S78IN107-2-(1-10)	Mb	Ragsdale

Sampled as	Pedon Sample No.	Publication Symbol	Approved Series Name or Classification
Martinsville	S78IN107-3-(1-8)	MeB	Martinsville, till substratum
Ockley till substratum	S80IN107-6-(1-9)	MeB	Ockley till substratum
Rush	S78IN107-12-(1-9)	RtA	Rush
St. Charles	S80IN107-14-(1-9)	StB	St. Charles

Notes to Accompany Classification and Correlation of the Soils of Montgomery County, Indiana

by
Steve R. Base and Leon B. Davis

ALFORD SERIES
This soil is a taxadjunct because the base saturation is too low at the critical depth.

BECKVILLE SERIES
This soil is established by this correlation. It is a deep, moderately well drained soil formed in loamy alluvium.

BELLEVILLE SERIES
This soil does not contain carbonates as defined for the series but it is not considered a taxadjunct.

BIRKBECK SERIES
This soil has chroma of 6 in Bt horizon which is not within the range defined for the series but this soil is not considered as taxadjunct.

BOWES VARIANT
This soil has a water table at 2 to 6 feet and is moderately well drained. It has a Bt horizon that is too thin and a 2Bt horizon that is too thick. The C horizon has a 2 chroma.

BOYER SERIES
This soil contains a little more gravel than described for the series. Also, the Bt1 horizon is a little darker than typical for the series.

BRENTON SERIES
This soil has chroma of 6 in the Bt horizon which is not within the range defined for the series.

CAMDEN SERIES
This soil is a taxadjunct because it is more acid throughout the solum and the base saturation is too low.

CASCO SERIES
This soil has a thin dark colored A horizon but it is not considered a taxadjunct.

CERESCO SERIES
The A horizon for this soil is a little thicker than described for the series but it is not considered a taxadjunct.

CHAGRIN SERIES
This soil contains carbonates in the C horizon (48 to 60 inch layer) but is not considered a taxadjunct.

COHOCTAH SERIES
Indiana considers this soil to have a B horizon.

CROSBY SERIES
This soil is a taxadjunct because it contains less clay in the argillic horizon than described for the series.

CYCLONE SERIES
This soil is a taxadjunct because it lacks an argillic horizon. It has formed under forested vegetation.

FINCASTLE SERIES
The E horizon is more acid than described for the series but it is not considered a taxadjunct.

HENNEPIN SERIES
The B horizon is a little thick and it lacks carbonates in the lower part but it is not considered a taxadjunct.

LOBDELL SERIES
The lower B horizon has a higher chroma than described for the series but is not considered a taxadjunct.

MARTINSVILLE SERIES
The lower part of the solum is a little more acid than defined for the series but it is not considered a taxadjunct.

MILFORD VARIANT
This soil has contrasting textures. It is a clayey over fine-silty, mixed, mesic Typic Haplaquoll.

MILLBROOK SERIES
This soil is a taxadjunct because it contains more than 35 percent clay in the upper 20 inches of the argillic horizon.

MUSKEGO SERIES
The O horizon has a 5YR hue which is outside the range of the series but it is not considered a taxadjunct.

OCTAGON SERIES
The C horizon contains a little more sand than described for the series but it is not considered a taxadjunct.

ORMAS SERIES
The B and 2B horizons are a little less acid than described for the series.

PARR SERIES
This soil is a little more acid and contains a little more sand in the C horizon than is described for the series. It is not considered a taxadjunct.

RAGSDALE SERIES
This soil is a taxadjunct because it lacks an argillic horizon.

REESVILLE SERIES
The Bt horizon has a higher chroma and is a little more acid than described for the series but it is not considered a taxadjunct.

SHADELAND SERIES
This soil is less acid than described for the series but it is not considered a taxadjunct.

SHOALS SERIES
The chroma of the upper part of the C horizon is lower than described for the series but it is not considered a taxadjunct.

STARKS SERIES
Map unit S1A is too acid but it is not considered a taxadjunct.

ST. CHARLES SERIES
Some layers in the Bt horizon are very strongly acid, but is not considered a taxadjunct to the series.

TORONTO SERIES
This soil is a taxadjunct because it contains more clay in the subsoil than is defined for the series.

WALLKILL SERIES
This soil is a taxadjunct because it contains more silt and less sand in the control section than is allowed in the series.

WASHTENAW SERIES
This soil is a taxadjunct because it contains more silt and more clay than described for the series. It is borderline between the fine-silty and fine family.

WAUPECAN SERIES
This soil is more acid than defined for the series but it is not considered a taxadjunct.

WAYNETOWN SERIES
This soil is established by this correlation. It is a deep, somewhat poorly drained soil formed in silty material and the underlying loamy outwash.

WEIKERT SERIES
This soil is a taxadjunct because the base saturation is too high. A field kit was used to determine the base saturation at the critical depth for the typical pedon plus several other pedons.

XENIA SERIES
This soil is extremely acid in the upper part of the Bt horizon but it is not considered a taxadjunct.

CLASSIFICATION OF THE SOIL

Soil Name	Family or Higher Taxonomic Class
*Alford	Fine-silty, mixed, mesic Typic Hapludalfs
Beckville	Coarse-loamy, mixed, nonacid, mesic Aquic Udifluvents
Belleville	Sandy over loamy, mixed, mesic Typic Haplaquolls
Birkbeck	Fine-silty, mixed, mesic Typic Hapludalfs
Bowes Variant	Fine-silty, mixed, mesic Mollic Hapludalfs
Boyer	Coarse-loamy, mixed, mesic Typic Hapludalfs
Brenton	Fine-silty, mixed, mesic Aquic Argiudolls
Brenton Variant	Fine-silty, mixed, mesic Aquic Argiudolls
*Camden	Fine-silty, mixed, mesic Typic Hapludalfs
Casco	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Typic Hapludalfs
Ceresco	Coarse-loamy, mixed, mesic Fluvaquentic Hapludolls
Chagrin	Fine-loamy, mixed, mesic Dystric Fluventic Eutrochrepts
Cohoctah	Coarse-loamy, mixed, mesic Fluvaquentic Haplaquolls
*Crosby	Fine, mixed, mesic Aeric Ochraqualfs
*Cyclone	Fine-silty, mixed, mesic Typic Argiaquolls
Drummer	Fine-silty, mixed, mesic Typic Haplaquolls
Fincastle	Fine-silty, mixed, mesic Aeric Ochraqualfs
Hennepin	Fine-loamy, mixed, mesic Typic Eutrochrepts
Jasper	Fine-loamy, mixed, mesic Typic Argiudolls
Landes Variant	Sandy, mixed, mesic Fluventic Hapludolls
Lobdell	Fine-loamy, mixed, mesic Fluvaquentic Eutrochrepts
Mahalasville	Fine-silty, mixed, mesic Typic Argiaquolls
Martinsville	Fine-loamy, mixed, mesic Typic Hapludalfs
Miami	Fine-loamy, mixed, mesic Typic Hapludalfs

Soil Name	Family or Higher Taxonomic Class
Milford	Fine, mixed, mesic Typic Haplaquolls
Milford Variant	Clayey over fine-silty, mixed, mesic Typic Haplaquolls
*Millbrook	Fine-silty, mixed, mesic Udollic Ochraqualfs
Millbrook Variant	Fine-silty, mixed, mesic Udollic Ochraqualfs
Muskego	Coprogenous, euic, mesic Limnic Medisaprists
Ockley	Fine-loamy, mixed, mesic Typic Hapludalfs
Octagon	Fine-loamy, mixed, mesic Mollic Hapludalfs
Ormas	Loamy, mixed, mesic Arenic Hapludalfs
Palms	Loamy, mixed, euic, mesic Terric Medisaprists
Parr	Fine-loamy, mixed, mesic Typic Argiudolls
Pella	Fine-silty, mixed, mesic Typic Haplaquolls
Proctor	Fine-silty, mixed, mesic Typic Argiudolls
*Ragsdale	Fine-silty, mixed, mesic Typic Argiaquolls
Raub	Fine-silty, mixed, mesic Aquic Argiudolls
Reesville	Fine-silty, mixed, mesic Aeric Ochraqualfs
Rodman	Sandy-skeletal, mixed, mesic Typic Hapludolls
Rush	Fine-silty, mixed, mesic Typic Hapludalfs
Rush Variant	Fine-silty, mixed, mesic Aquic Hapludalfs
Russell	Fine-silty, mixed, mesic Typic Hapludalfs
Saranac	Fine, mixed, mesic Fluvaquentic Haplaquolls
Shadeland	Fine-loamy, mixed, mesic Aeric Ochraqualfs
Shoals	Fine-loamy, mixed, nonacid, mesic Aeric Fluvaquents
Starks	Fine-silty, mixed, mesic Aeric Ochraqualfs
St. Charles	Fine-silty, mixed, mesic Typic Hapludalfs
Stonelick	Coarse-loamy, mixed (calcareous), mesic Typic Udifluvents

Soil Name	Family or Higher Taxonomic Class
Stonelick Variant	Sandy, mixed, mesic Typic Udifluvents
*Toronto	Fine-silty, mixed, mesic Udollic Ochraqualfs
Treaty	Fine-silty, mixed, mesic Typic Argiaquolls
Udorthents	Loamy, mixed, mesic Typic Udorthents
*Wallkill	Fine-loamy, mixed, nonacid, mesic Thapto-Histic Fluvaquents
*Washtenaw	Fine-loamy, mixed, nonacid, mesic Aeric Fluvaquents
Waupecan	Fine-silty, mixed, mesic Typic Argiudolls
Waynetown	Fine-silty, mixed, mesic Aeric Ochraqualfs
Wea	Fine-loamy, mixed, mesic Typic Argiudolls
*Weikert	Loamy-skeletal, mixed, mesic Lithic Dystrochrepts
Whitaker	Fine-loamy, mixed, mesic Aeric Ochraqualfs
Xenia	Fine-silty, mixed, mesic Aquic Hapludalfs

*Taxadjunct--see "Notes to Accompany Classification and Correlation of the Soils of Montgomery County, Indiana" for details.